

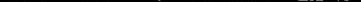
(Rev. 5/92) Comparable to Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. 78746	Serial No. 09/515,118		
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Applicants Wachtfogel, et al.			
				Filing Date February 28, 2000	Group		
U.S. PATENT DOCUMENTS							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
HVT	A	5,986,692	11/16/1999	SYSTEMS AND METHODS FOR COMPUTER ENHANCED BROADCAST MONITORING			
HVT		5,892,536	04/06/1999	SYSTEMS AND METHODS FOR COMPUTER ENHANCED BROADCAST MONITORING			
HVT		5,371,551	12/06/1994	TIME DELAYED DIGITAL VIDEO SYSTEM USING CONCURRENT RECORDING AND PLAYBACK			
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes
							No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
Examiner <i>Hata</i>		Date Considered <i>2/20/05</i>					
<p>*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>							

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10/24/2001 W&H Substitutes for Form PTO-SB-08A, which is a US PTO Substitute for form 1449A/PTO and 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	09/515,118
		Filing Date	February 24, 2000
		First Named Inventor	WACHTFOGEL, et al.
		Art Unit	2713
		Examiner Name	Not Assigned
Sheet	1	of	1
		Attorney Docket Number	7251/78746

OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner Signature		Date Considered	12/30/05
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Substitute for form 1449APTO and 1449B/PTO**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet	1	of	3	Attorney Docket Number	78746
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Complete if Known

Application Number	09/515,118
Filing Date	February 28, 2000
First Named Inventor	WACHFOGEL, et al.
Art Unit	2713
Examiner Name	

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
HWT		US-3,341,833	09/12/1967	Jones	
		US-3,645,539	02/29/1972	Jenkins	
		US-3,682,363	08/08/1972	Hull	
		US-4,283,735	08/11/1981	Jagger	
		US-4,319,286	03/09/1982	Hanpachern	
		US-4,408,309	10/04/1983	Kiesling, et al.	
		US-4,430,676	02/07/1984	Johnson	
		US-4,445,195	04/24/1984	Yamamoto	
		US-4,530,048	07/16/1985	Proper	
		US-4,633,331	12/30/1986	McGrady, et al.	
		US-4,706,121	11/10/1987	Young	
		US-4,876,670	10/24/1989	Nakabayashi, et al.	
		US-4,885,775	12/05/1989	Lucas	
		US-4,891,715	01/02/1990	Levy	
		US-4,908,713	03/13/1990	Levine	
		US-4,963,886	10/16/1990	Duncan	
		US-4,963,994	10/16/1990	Levine	
		US-4,963,995	10/16/1990	Lang	
		US-4,977,455	12/11/1990	Young	
		US-4,991,033	02/05/1991	Takeshita	
		US-5,021,893	06/04/1991	Scheffler	
		US-5,038,211	08/06/1991	Hallenbeck	
		US-5,063,453	11/05/1991	Yoshimura, et al.	
		US-4,151,789	09/29/1992	Young	
		US-5,241,428	08/31/1993	Goldwasser, et al.	
		US-5,293,357	03/08/1994	Hallenbeck	
		US-5,371,551	12/06/1994	Logan, et al.	
		US-5,390,027	02/14/1995	Henmi, et al.	
		US-5,440,336	08/08/1995	Buhro, et al.	
		US-5,477,262	12/19/1995	Banker, et al.	
		US-5,479,302	12/26/1995	Haines	
		US-5,508,815	04/16/1996	Levine	
		US-5,508,940	04/16/1996	Rossmere, et al.	
		US-5,557,538	09/17/1996	Retter, et al.	
↓		US-5,568,272	10/22/1996	Levine	
HWT		US-5,703,997	12/30/1997	Kitamura, et al.	

Examiner Signature

Date Considered

12/20/05

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	Application Number	09/515,118
	Filing Date	February 28, 2000
	First Named Inventor	WACHFOGEL, et al.
	Art Unit	2713
	Examiner Name	
	Attorney Docket Number	78746

HUT	US-5,717,814	02/10/1998	Abecassis	
HUT	US-5,977,964	11/02/1999	Williams, et al.	
HUT	US-6,324,338	11/27/2001	Wood, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Signature	<u>Thala</u>	Date Considered	12/20/00
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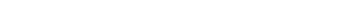
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	Filing Date	February 28, 2000			
	First Named Inventor	WACHFOGEL, et al.			
	Art Unit	2713			
	Examiner Name				
Sheet	3	of	3	Attorney Docket Number	78746

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 3 of 3

Examiner Signature		Date Considered	12/27/05
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	09/515,118
		Filing Date	February 28, 2000
		First Named Inventor	WACHFOGEL, et al.
		Art Unit	2713
Sheet 1 of 3	Examiner Name		
Sheet 1 of 3	Attorney Docket Number	78746	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
XVT		US-3,341,833	09/12/1967	Jones	
		US-3,645,539	02/29/1972	Jenkins	
		US-3,682,363	08/08/1972	Hull	
		US-4,283,735	08/11/1981	Jagger	
		US-4,319,286	03/09/1982	Hanpachern	
		US-4,408,309	10/04/1983	Kiesling, et al.	
		US-4,430,676	02/07/1984	Johnson	
		US-4,445,195	04/24/1984	Yamamoto	
		US-4,530,048	07/16/1985	Proper	
		US-4,633,331	12/30/1986	McGrady, et al.	
		US-4,706,121	11/10/1987	Young	
		US-4,876,670	10/24/1989	Nakabayashi, et al.	
		US-4,885,775	12/05/1989	Lucas	
		US-4,891,715	01/02/1990	Levy	
		US-4,908,713	03/13/1990	Levine	
		US-4,963,886	10/16/1990	Duncan	
		US-4,963,994	10/16/1990	Levine	
		US-4,963,995	10/16/1990	Lang	
		US-4,977,455	12/11/1990	Young	
		US-4,991,033	02/05/1991	Takeshita	
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		US-5,038,211	08/06/1991	Hallenbeck	
		US-5,063,453	11/05/1991	Yoshimura, et al.	
		US-5,151,789	09/29/1992	Young	
		US-5,241,428	08/31/1993	Goldwasser, et al.	
		US-5,293,357	03/08/1994	Hallenbeck	
		US-5,371,551	12/06/1994	Logan, et al.	
		US-5,390,027	02/14/1995	Henmi, et al.	
		US-5,440,336	08/08/1995	Buhro, et al.	
		US-5,477,262	12/19/1995	Banker, et al.	
		US-5,479,302	12/26/1995	Haines	
		US-5,508,815	04/16/1996	Levine	
		US-5,508,940	04/16/1996	Rossmere, et al.	
		US-5,557,538	09/17/1996	Retter, et al.	
		US-5,568,272	10/22/1996	Levine	
XVT		US-5,703,997	12/30/1997	Kitamura, et al.	

Examiner Signature	<i>Aralan</i>	Date Considered	12/20/05
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	09/515,118
		Filing Date	February 28, 2000
		First Named Inventor	WACHFOGEL, et al.
		Art Unit	2713
		Examiner Name	
Sheet	2	of	3
		Attorney Docket Number	

MVT	US-5,717,814	02/10/1998	Abecassis	
MVT	US-5,977,964	11/02/1999	Williams, et al.	
MVT	US-6,324,338	11/27/2001	Wood, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Signature	<u>Thala</u>	Date Considered	- 12/20/05
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	09/515,118
		Filing Date	February 28, 2000
		First Named Inventor	WACHFOGEL, et al.
		Art Unit	2713
		Examiner Name	
Sheet	3	of	3
		Attorney Docket Number	78746

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 3 of 3

Complete if Known

Application Number 09/515,118

Filing Date	February 28, 2000
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First Named Inventor **WACHFOGEL, et al.**

Art Unit 2713

Examiner Name

Attorney Docket Number 78746

Examiner Signature		Date Considered	12/20/00
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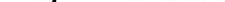
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	09/515,118
		Filing Date	February 28, 2000
		First Named Inventor	WACHFOGEL, et al.
		Art Unit	2713
		Examiner Name	
Sheet	1	of	2
		Attorney Docket Number	78746

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Sheet 1 of 2

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Sheet 2 of 2

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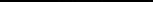
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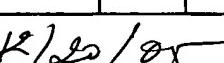
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INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				Applicant Wachtfogel et al.			
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U.S. PATENT DOCUMENTS							
Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
HVT		4,930,158	29 May 1990	Vogel			
HVT		5,701,383	23 Dec. 1997	Russo et al.			
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		Document Number	Date	Country	Class	Subclass	Translation Yes No
HVT		0 584 991 A2	2 Mar. 1994	EP			
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HVT		Ceccarelli, M.P.; "Metadata for Broadcasting" (MPEG-7 Workshop, XP 002117667, 1998)				OK HVT	
Examiner		Date Considered				12/20/05	
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				Filing Date 24 February 2000		Group No. 2713	
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W/T		4,602,279	07/22/1986	Freeman			
		5,223,924	06/29/1993	Strubbe			
		5,353,121	10/04/1994	Young et al.			
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		5,721,827	02/24/1998	Logan et al.			
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		5,973,683	10/26/1999	Cargun et al.			
W/T				Date Considered	<i>12/20/05</i>		
Examiner: <i>J. Rata</i>				*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

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HVT		5,991,735	11/23/1999	Gerace			
		6,020,883	02/01/2000	Herz et al.			
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HVT		6,438,752 B1	08/20/2002	McClard			
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		2002/0059094 A1	16 May 2002	Hosea et al.			
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
Examiner				Date Considered	<i>12/20/05</i>		
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						Yes	No

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		Filing Date February 24, 2000	Group No. 2713

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				Filing Date February 24, 2000	Group No. 2713		
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Examiner Initials*		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
KWT		5,561,543	10/1996	Ogawa, et.al.			
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		Document Number	Date	Country	Class	Subclass	Translation Yes No
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							Yes	No
		2210526	06/1989	GB				
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HVT		97/27705	07/1997	WO				

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	John Maisel, <i>Double Agent Infopack: A Collection of Papers Relating to Phillip's Double Agent System</i> , May 1998
	Karin Petersen, <i>Tcl/Tk for a Personal Digital Assistant</i> , October 1994, Usenix, Very High Languages, Symposium Proceedings Mexico, pp41-55,
	The Digital Audio-Visual Council, Bethesda, <i>Applications for Home Storage Based Systems</i> , May 11-13 1998, Source: Applications TC
	Gessler et al., <i>PDAs as Mobile WWW Browsers</i> , 1995, <i>Computer Networks and ISDN Systems</i> , Vol. 28, pp53-59
	Matsukura et al., <i>Multimedia Notebook: Information Capturing Technologies for Portable Computers</i> , October 1995, IEICE Trans Commun., Vol. E78-B, NO. 10, pp.1381-1385

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							Yes	No
HVT		97/29592	08/1997	WO				
		97/48230	12/1997	WO				
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	Angus et al., <i>Embedding the Second Interaction Metaphor in a Real 3D Virtual Environment</i> , 1995, SPIE Vol. 2409 pp. 282-293
	Fah-Chun Cheong, <i>Internet Agents: Spiders, Wanderers, Brokers, 'Bots</i> , 1996, pp. 4-35,387-390
	EJ Persoon, <i>Smash- A Concept for Advanced Use of Storage in the Home</i> , XP-002117666
	MP Ceccarelli, <i>Metadata for Broadcasting</i> , February 1998, MPEG-7 Workshop ACM9, Brussels
	IBM Corporation Home Page, <i>Intelligent Agents</i> , www.raleigh.ibm.com/frag/fraghome.html

Examiner	<i>Jatal</i>	Date Considered
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		Filing Date February 24, 2000	Group No. 2713

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HWT	5,436,676	07/1995	Pint et al.			
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						Yes	No
HWT	99/03275	01/1999	WO				

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				Filing Date February 24, 2000		Group No. 2713	

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		5,526,401	06/1996	Roach, Jr. et al.			
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		5,556,107	09/1996	Carter			
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dwt	5,623,690	04/1997	Palmer et al.			

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